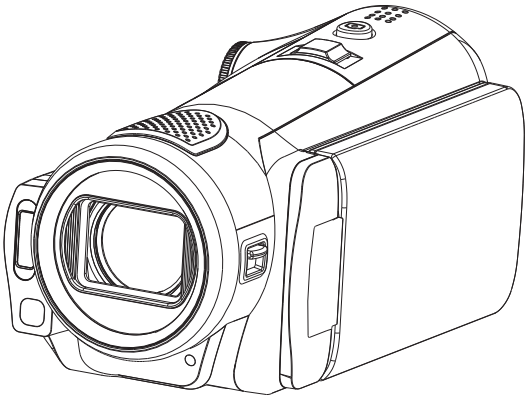
USER'S MANUAL

HD-527 HD-530

ENSURE THE BEST FUNCTIONS TO YOUR CAMERA,
PLEASE READ THE MANUAL BEFORE OPERATION.



Digital Camcorder

Digital Still Camera
Digital Voice Recorder

Before using the Camcorder

Thank you for selecting digital camcorder of high quality and resolution as manufactured by our company.
Press the power switch to turn on or off the camcorder. Some basic settings must be performed prior to use of this camcorder.

Setting the format of date and time

1) Rotate the Mode knob to switch to the Setup mode.
2) Move the Up and Down button to select the options of time format or date format and enter the submenu;
3) Move the Up and Down button to select the type of the time format or date format.

Setting the date and time

1) Rotate the Mode knob to switch to the Setup mode
2) Move the Up and Down button to the option of date and time setting and enter the submenu;
3) Move the Up and Down button to select whether setting the time and date; if selecting “Yes”, enter the submenu;
4) Move the Up and Down button to select changing the option; Move the Left and Right button to adjust the value of the option.

Setting the buzzer

1) Rotate the Mode knob to switch to the Setup mode
2) Move the Up and Down button to the option of prompt tone and enter the submenu;
3) Move the Up and Down button to make the corresponding setting;
4) Return to the menu of the Setup mode after completing the setting.

Setting the language

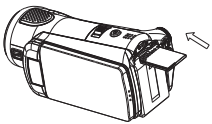
1) Rotate the Mode knob to switch to the Setup mode
2) Move the “Up-Down” button to the option of language (ABC) and enter the submenu.

Getting started

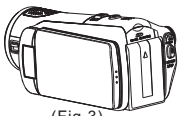
Insert SD card

Install SD memory card into the camcorder to provide more images stored, messages or storage for other files.
1) Open the SD card cover. (Fig.1)
2) Insert SD memory card(golden finger up). (Fig.2)
3) Properly close the SD card cover. (Fig.3)

(Fig.1)



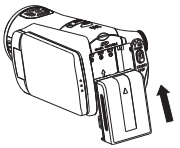
(Fig.2)



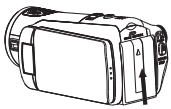
(Fig.3)

Install the batteries

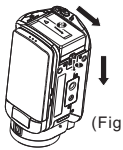
As this camcorder uses rechargeable batteries, please make sure to use attached batteries or similar batteries as recommended by the manufacturer or distributor.
Note: Please set in batteries properly as per instructions described herein. Improper set-in of batteries may incur damages to the camcorder or even fire.
1) Insert batteries into the battery slot (Fig.4)
2) Push batteries upward to the battery pack (Fig.5).



(Fig.4)



(Fig.5)



(Fig.6)

Take out batteries

Operate according to the procedures shown in Figure 6 to remove batteries properly as per procedures as shown in Figure 6; push to open the battery pack, and remove batteries from the battery slot.

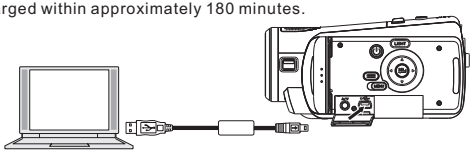
Charging batteries

You can use the attached charger to charge batteries as per the following procedures.

1) Connect the switch power to the camcorder in the mode as shown in the diagram.
2) Insert the switch power plug into the socket to start charging.
3) Red indicator light flashes to show the charging is under way.
4) LED indicator light will extinguish once charging is completed.
5) Batteries will be fully charged within approximately 180 minutes. Specific charging time may vary as per battery capacity and local charging conditions

You can also use USB cable to charge batteries in the standby mode. Charge batteries by following procedures stated as follows. Connect the USB with the camcorder.

1) Connect the USB cable to the USB interface of the computer.
2) Switch off the power to the camcorder to start charging.
3) LED indicator light will extinguish once the charging is completed.
4) Batteries will be fully charged within approximately 180 minutes.



Shooting video

1) Switch on the power supply of the camcorder, and turn the Mode knob to switch to the Shooting mode;
2) Make use of LCD screen to capture photo images
3) Press the Shooting Start/Stop button to start the recording;
4) Press the Shooting Start/Stop button again to stop the recording;
5) The video clip is automatically saved with a unique file name.

Note:

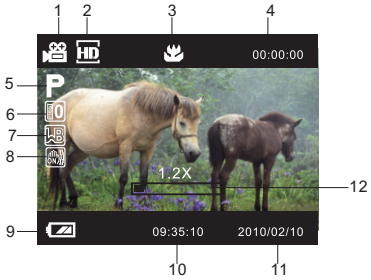
1) The maximum size of each video file is 3.75GB.
2) The high resolution and high quality will produce the larger file, so the length will be shorter.
3) LCD preview and the proportion for image shooting will vary with the different resolution. Please refer to:

720P 16:9 screen

QVGA 4:3 screen

VGA 4:3 screen

photograph 4:3 screen



Shooting mode

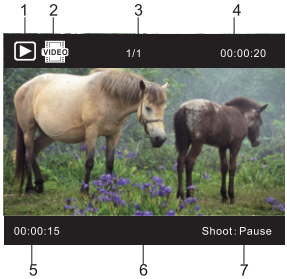
Note:
In the mode of Shooting (image capture), Press Down button to adjust resolution (QVGA, VGA, HD);

Description to icons under the shooting mode:

1		Indicator for shooting status:
2	HD	Indicator for resolution;
3		Indicator for close/far shooting;
4	00:00:00	Indicator for remaining time of recording;
5	P	Scene;
6	EV 0	EV value;
7	WB	White balance;
8	ON	Anti-shake indicator;
9		Indicator for battery:
10	09:35:10	Shooting time;
11	2010/02/10	Shooting date;
12	1.2X	Indicator for zoom.

Playing video clip

1) Turn the Mode knob to switch to the Photography Playback mode, and the latest files will be displayed on the LCD screen.
2) Press the Up button to enter the Nine-picture mode, and press the Up/Down button and Left/Right button to select the video file recorded.
3) Press the Enter button to confirm and press the Shooting Start/Stop button to play.
4) Press the Left button for fast rewind and press the Right button for fast forward.
5) Press the Shooting Start / Stop button to pause / resume playing the video.
6) When reviewing the video clip, press the Zoom button to adjust the volume.
7) Press the Enter button to stop the playing.

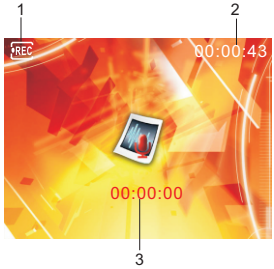


Shoot video playback mode

1	▶	Indicator for playback mode;
2	VIDEO	Indicator for type of video file playback;
3	1/1	Total number of file;
4	00:00:20	Total time period of file;
5	00:00:15	File playback progress bar;
6	8X	Indicator for fast forward and fast rewind of file
7	Shoot: Pause	Indicator for file pause or playback;

Sound recording mode

1) Switch on the power supply of the camcorder, and turn the Mode knob to switch to the Recording Mode;
2) Press the Shooting Start / Stop button to start sound recording;
3) Press the Shooting Start / Stop button again to stop the sound recording;
4) The audio clip is automatically saved with a unique file name.



1	REC	Indicator for recording status
2	00:00:43	Total time period for recording
3	00:00:00	Time period for recording

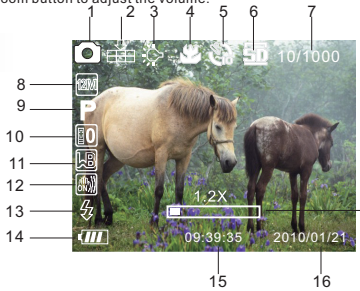
Recording playback

1) Turn the Mode knob to switch to the Recording playback Mode, and the latest files will be displayed on the LCD screen;
2) Press the Up button to enter the Nine-picture mode, and press the Up/Down button and Left/Right button to select required files.
3) Press the Enter button to confirm and press the Shooting Start/Stop button to play.
4) Press the Shooting Start / Stop button to pause / resume playing the sound record.
5) When reviewing the audio clip, press the Zoom button to adjust the volume.
6) Press the Enter button to stop playing.

Taking photos

1) Switch on the power supply of the camcorder, and turn the Mode knob to switch to the Photograph mode;
2) Make use of LCD screen to capture photo images;
3) Press the Shutter button to take a photo;
4) The file is automatically saved with a unique file name;

Note:
In the Photograph mode (image capture), press Down button to adjust resolution (VGA, 1.3M, 3M, 5M, 8M, 12M);



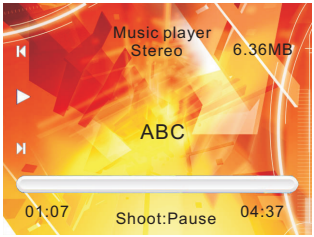
1		Indicator for shooting status;
2		Indicator for photo quality;
3		Indicator for fill light;
4		Self-timer;
5		Indicator for close / far shooting;
6		Indicator for SD card;
7	10/1000	Total number of photos for shooting;
8		Resolution;
9		Indicator for scene;
10		E V value;
11		White balance;
12		Anti-shake indicator;
13		Indicator for flash;
14		Indicator for battery;
15	09:35:10	Time of shooting;
16	2010/02/10	Date of shooting;
17	1.2X	Indicator for zoom

Photo playback

1) Turn the Mode knob to switch to the Photo playback mode, and the latest files will be displayed on the LCD screen;
2) Press the Up button to enter the Nine-picture mode, and press the Up/Down button and Left/Right button to select required files.
3) Press the Enter button to view the photo in the full screen;
4) Press the Zoom push button to enlarge or reduce the photo;
5) Press the Up/Down button and Left/Right button to view the local photo enlarged;
6) Press the Enter button to return to the full Screen status.

Playing MP3 (optional)

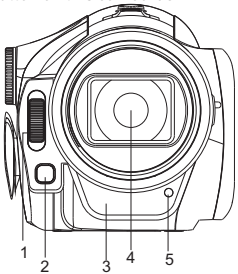
1) Turn the Mode knob to switch to the MP3 Play mode.
2) Press the Up/Down buton to select playing songs, and press the Enter button to confirm .
3) Press the Left/Right button to select playing the previous song or the next song;
4) Press the Start/Stop button to pause the playing, and press the button again to resume the playing;
5) Press the Zoom button to increase or reduce the volume;
6) Press the Menu button to return to songs list.

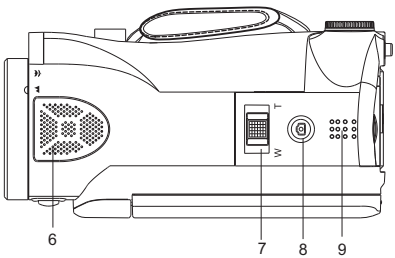


Note: The files of MP3 shall be put into the folder of MP3 in the SD card.

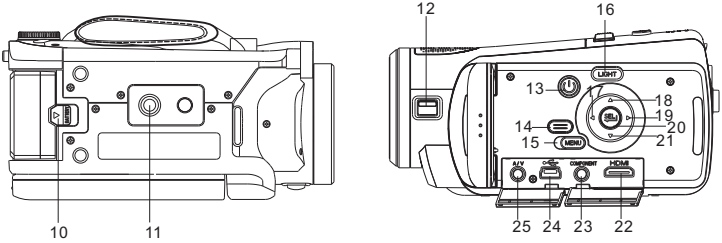
Characteristics of digital camera

Please refer to the following illustrations and tables to get familiar with control functions of each button on this camcorder.

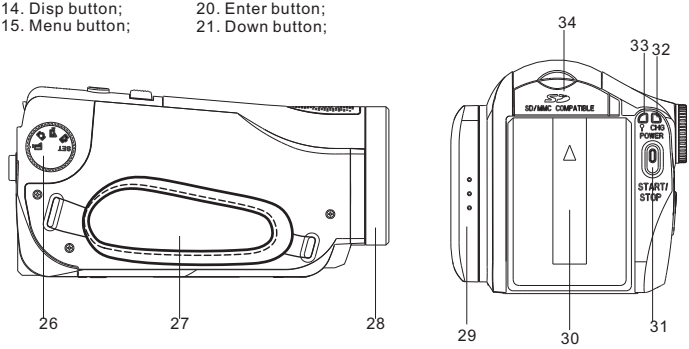




1. Flash;
2. LED fill light;
3. Self-timer;
4. Lens;
5. Remote-control receiver;
6. Microphone;
7. Zooming push button (zooming button);
8. Shooting button (shutter button);
9. Speaker;



10. Battery pack;
11. Tripod hole;
12. Switch of lens cover;
13. Power button;
14. Disp button;
15. Menu button;
16. LED fill light button;
17. Left button;
18. Up button;
19. Right button;
20. Enter button;
21. Down button;
22. HDMI output interface;
23. Headset output interface (optional);
24. USB output interface;
25. AV output interface;



26. Mode knob;
27. Wristband;
28. Focusing ring;
29. LCD display screen;
30. Battery;
31. Start/Stop button;
32. Power indicator light;
33. Charging indicator light;
34. SD card cover;

Please refer to the following table for the functions of the buttons.(if the camcorder has the MP3 function)

Button	Designation	Function
	Mode button	Mode switchover knob is available in 6 modes: Camcorder mode, Camera mode, Recording mode,MP3 Play mode, File Playback mode and Setup mode.
	Power button	Press this button to switch on the camera in case of the power-off state, and press this button for 3 seconds to switch off theCamera in case of the power-on state.

Button	Designation	Function
	Light button	It is set as off by the system. Press the button to switch on the fill light, and press the button again to switch off the fill light.
	DISP button	In the mode of Shooting , Recording,Taking photo, it is set as common OSD on by the system, and press the button to switch of the common OSD, and press the button again to switch off the backlight and power of the LCD screen, and then finally press the button to switch on the common OSD; In the mode of MP3 playback, press the button to switch off the backlight and power of the LCD screen, and press the button again to switch on the common OSD;In the mode of file playback, press the button to switch off the OSD, and press the button again to switch off the backlight and power of LCD screen, and then press the button again to switch on the common OSD.
	Left button	In the mode of Shooting,Recording,Taking photo, this button is invalid;In the mode of MP3 Playback (browsing MP3), the button is invalid; In the mode of MP3 Playback (during playback), press the button to switch to the previous MP3 song;In the mode of File Playback (browsing video/voice), press the button to switch to the previous file;In the mode of File Playback (during video playback), press the button for fast rewind;In the mode of File Playback (browsing photo), press the button to switch to the previous file;In the mode of File Playback (browsing the enlarged photo), press the button to move the visual area of the photo to left; In the Setup mode, press the button to select the options from left;
	Right button	In the mode of Shooting,Recording, this button is invalid; In the Shooting mode (during shooting), the button is invalid; In the Photograph mode (image capture), it is the switch of self-timer. Press the button to switch the self-timer for 5 s and self-timer for 10 s, and then press the button again to return to the initial state (timer off); In the mode of MP3 Playback (browsing MP3), the button is invalid; In the mode of MP3 Playback (during playback), press the button to switch to the next MP3 song; In the mode of File Playback (browsing video/voice), press the button to switch to the next file;In the mode of File Playback (during video playback), press the button for fast-forward; In the mode of file playback (browsing photo), press the button to switch to the next file;In the mode of file playback (browsing enlarged photo), press the button to move the visual area to right; In the Setup mode, press the button to select the options from right.
	Up button	In the mode of Shooting,Recording,Taking Photo , the button is invalid; In the mode of MP3 Playback (browsing MP3), press the button to switch to the previous MP3 song; In the mode of MP3 Playback (during playback), the button is invalid; In the mode of File Playback (browsing video/voice), press the button to switch to the 9 picture browse (in which the current picture is), press the button again to select browsing the previous line of files in the 9 pictures; In the mode of File Playback (during video/voice playback), press the button to switch to the 9-picture browse (in which the current picture is), press the button again to browse the previous line of files in the current 9 pictures; In the mode of File Playback (browsing photos), press the button to switch to the 9-picture browse (in which the current picture is), press the button again to browse the previous line of files in the current 9 pictures; In the mode of File Playback (browsing enlarged photo), press the button to move the visual area of the photo upward; In the Setup mode, press the button to select the options from top. Special note: In the mode of playback, the viewed files are of the same type (photo, video, sound record) so as to facilitate the user's operation. When browsing in the mode of 9-picture, the files are combined together.
	Down button	In the mode of Shooting (image capture), it is used for resolution adjustment (QVGA, VGA, HD);In the Photograph mode (image capture), it is used for resolution adjustment (VGA, 1.3M, 3M, 5M, 8M, 12M); In the mode of MP3 Playback (browsing MP3), press the button to switch to the next MP3 song; In the mode of MP3 Playback (during playback), the button is invalid;In the mode of File Playback, the button is invalid; In the mode of File Playback (browsing the enlarged photo), press the button to move the visual area of the photo downward; In the Setup mode, press the button to select the options from bottom.

Button	Designation	Function
	Enter button	In the mode of Shooting, the button is invalid; In the Photograph mode (image capture), the button is invalid; In the mode of MP3 Playback (browsing MP3), press the button to play MP3 ; In the mode of MP3 Playback (during playback), the button is invalid; In the mode of File Playback (browsing video/voice), the button is invalid; In the mode of File Playback (during video playback), press the button to stop; In the mode of File Playback (browsing photos), the button is invalid; In the mode of File Playback (browsing enlarged photo), press the button to stop enlarging the photo; In the Setup mode, press the button to select function of the current option;
	Menu button	In the modes of Video/Voice Playback, Photo Playback and File Playback, press the button to open the menu function, and press the button again to close the menu; When playing the MP3 songs, press the Menu button to return the interface of Mp3 list;
	Shooting button (shutter button)	In the Photograph mode, press the button half to focus, and then press the button fully to take a photo;
	Zoom push button (zooming button)	In Shooting /Taking photos, it is used for the function of W - - - T; In Video/Voice Playback / MP3 Playback, W refers to the reduction of the AUDIO AMP volume, and T refers to the increase of the AUDIO AMP volume; In Photo playback, when viewing a single photo, W refers to zoom in, and T refers to zoom out;
	Start / Pause button	this button is control the Camcorder/Recording function to Start/Stop. In the mode of File Playback (during video/voice playback),Press the button to Pause . In the mode of MP3 play (During playing), press the button to pause
	Focusing ring	If it is required to take the close-up microphotography, turn the red spot of the focusing ring to the position ( ), and the icon ( ) will displayed on the left of the LCD screen at the same time.

If the camcorder without MP3 function,please refer to the following table for the functions of the buttons.

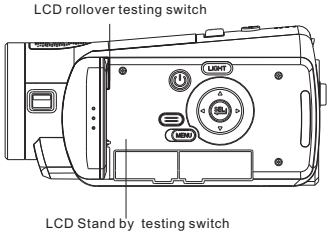
Button	Designation	Function
	Mode button	Mode switchover button is available in 5 modes: Camcorder mode, Camera mode,Recording mode, File Playback mode and Setup mode.
	Power button	Press this button to switch on the camera in case of the power-off state, and press this button for 3 seconds to switch off the camera in case of the power-on state
	Light button	It is set as off by the system. Press the button to switch on the light, and press the button again to switch off the light.
	DISP button	In the mode of Shooting,Recording,Taking photo, it is set as common OSD on by the system, and press the button to switch off the common OSD, and press the button again to switch off the backlight and power of the LCD screen, and then finally press the button the switch on the common OSD; In the mode of File Playback, press the button to switch off the backlight and power of the LCD screen, and press the button again to switch on the common OSD

Button	Designation	Function
	Left button	In the mode of Shooting,Recording, Taking photo, this button is invalid; In the mode of File Playback (browsing video), press the button to switch to the previous file; In the mode of File Playback (during video playback), press the button for fast rewind; In the mode of File Playback (browsing photo), press the button to switch to the previous file; In the mode of File Playback (browsing the enlarged photo), press the button to move the visual area of the photo to left; In the Setup mode, press the button to select the options from left;
	Right button	In the Shooting/Recording mode, the button is invalid; In the Shooting mode (during shooting), the button is invalid; In the Photograph mode(image capture), it is the switch of self-timer. Press the button to switch the self-timer for 5 seconds and self-timer for 10 seconds, and then press the button again to return to the initial state (timer off); In the mode of File Playback (browsing video/voice), press the button to switch to the next file; In the mode of File Playback (during video playback), press the button for fast-forward; In the mode of File Playback (browsing photo), press the button to switch to the next file; In the mode of File Playback (browsing enlarged photo), press the button to move the visual area to right; In the Setup mode, press the button to select the options from right.
	Up button	In the mode of Shooting ,Recording,Photograph mode, the button is invalid; In the mode of File Playback (browsing video/voice), press the button to switch to the 9-picture browse (in which the current picture is), press the button again to select browsing the previous line of files in the 9 pictures; In the mode of file playback (during video/voice playback), press the button to switch to the 9-picture browse (in which the current picture is), press the button again to browse the previous line of files in the current 9 pictures; In the mode of File Playback (browsing photos), press the button to switch to the 9-picture browse (in which the current picture is), press the button again to browse the previous line of files in the current 9 pictures; In the mode of File Playback (browsing enlarged photo), press the button to move the visual area of the photo upward; In the Setup mode, press the button to select the options from top. Special note: In the mode of playback, the viewed files are of the same type (photo, video, sound record) so as to facilitate the user's operation. When browsing in the mode of 9-picture, the files are combined together.
	Down button	In the mode of shooting (image capture), it is used for resolution adjustment (QVGA, VGA, HD); In the Photograph mode(image capture), it is used for resolution adjustment (VGA, 1.3M, 3M, 5M, 8M, 12M); In the mode of File Playback, the button is invalid; In the mode of File Playback (browsing the enlarged photo), press the button to move the visual area of the photo downward; In the Setup mode, press the button to select the options from bottom.
	Enter button	In the mode of Shooting/Recording, the button is invalid; In the mode of Photograph mode(image capture), the button is invalid; In the mode of File Playback (browsing video/Voice), the button is invalid; In the mode of File Playback (during video playback), press the button to stop; In the mode of File Playback (browsing photos), the button is invalid; In the mode of File Playback (browsing enlarged photo), press the button to stop enlarging the photo; In the Setup mode, press the button to select function of the current option;

Button	Designation	Function
	Menu button	In the modes of Video Playback,Voice Playback Playback, Photo Playback and File Playback, press the button to open the menu function, and press the button again to close the menu;
	Shooting button (shutter button)	In the Photograph mode, press the button half to focus, and then press the button fully to take a photo;
	Zoom push button (zooming button)	In Shooting / Taking photos mode, it is used for the function of W - - - T; In Video Playback, W refers to the reduction of the AUDIO AMP volume, and T refers to the increase of the AUDIO AMP volume; In Photo Playback, when viewing a single photo, W refers to zoom in, and T refers to zoom out;
	Start / Pause button	In the mode of Shooting/Recording, press the button to start shooting/ Recording, and press the button again to stop shooting/Recording; In the mode of Video/Voice Playback (During playing), press the button to pause playing
	Focusing ring	If it is required to take the close-up microphotography, turn the red spot of the focusing ring to the position ( ), and the icon ( ) will displayed on the left of the LCD screen at the same time.

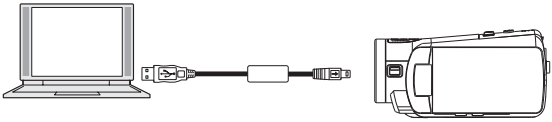
Testing switch functions

LCD rollover testing switch	LCD screen will be converted to the upright image mode when it is rotated to the front side.
LCD stand by testing switch	LCD screen switch will be displayed when LCD screen is closed. 1) Wait for 5 seconds before stopping recording or playing videos in the video/ sound playback mode; wait for 10 minutes before auto shutdown. 2) Wait for 10 minutes before auto shutdown in other modes (Photography, Photo Playback and Setup modes). Note: This camcorder will not be available for auto shutdown when the LCD turned to the front side is closed.



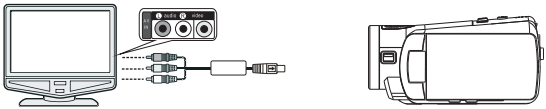
Connecting to a computer

Use attached USB cable to connect the camcorder to the computer as shown in the figure.



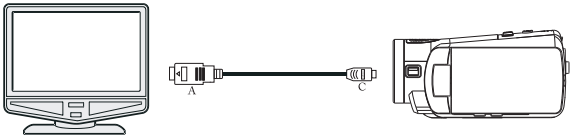
Connecting to a CVBS TV port

Use attached AV cable to connect the camcorder to the standard TV set as shown in the figure.



HDMI Output

Connect the camcorder to a HD TV as shown with the HDMI cable



Note: One end of the HDMI cable must be A-type interface, and the other end must be C-type interface.

Driver

Large-capacity storage
This camcorder can provide large-capacity storage via the built-in card reader. You can use this camcorder as a USB device.
Windows Vista/XP is a plug-and-play operating system, which requires no manual installation of drive program.
EMS memory of the camcorder and SD card will be displayed as a large-capacity storage device in the Windows explorer once the camcorder is connected.
You can drag and drop files.
Webcam
You can use the camcorder as the webcam in all the Windows operating systems (Windows XP/ 2000/Vista) only if you have installed the driver.
Note: The webcam driver shall be installed for all the operating systems.

Accessories

1.Digital camcorder 2.CD 3. Pouch 4.User manual 5.Battery
6.Adapter 7.AV cable 8.USB cable 9.SD card(optional) 10.Remote controller(optional)
11.HDMI cable(optional) 12.Headset(optional)

Specification

Image sensor	1/2.5 inch CMOS 5 mega pixels sensor
Pixel	12 mega pixels
Storage media	SD memory card; supporting up to 16GB
Sensitivity of sensor	Auto
Lens	Prime lens
Focusing range	Normal: 30CM~inf.; Close-up: 15CM~30CM
Video clips	H.264
Image resolution	QVGA;VGA;720P
Static image	JPG format;VGA/1.3M/3M/5M/8M/12M
Zoom	8X digital zooming
LTPS screen	HD-527 is 2.7";HD-530 is3"
Flash	Effective range:1M~1.5M
Scene	Automatic; landscape; night; portrait; night portrait; beach; movement; banquet
EV	+2.0EV/+1.5EV/+1.0EV/0EV/-1.0EV/-1.5EV/-2.0EV
White balance	Auto, Sunny, Cloudy, Tungsten light, Fluorescent lamp
Anti-shake / motion compensation	Off/on
Picture quality	optimal; fine; common
light	Off/on
Self-timer	Off/5S/10S
PC interface	USB2.0
TV output format	NTSC/PAL;AV/HDMI
Shutter	1~1/2000 SEC.
Auto power on/off	Off/60S/120S
Power Supply	Li-ion battery
Size	66X66.5X125mm
Weight	Approx. 400g (without SD card and batteries)